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001/002

60,246-217; 10,688US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Timothy N. Obee  
Serial No.: 10/671,047  
Filing Date: September 25, 2003  
Group Art Unit: 1753  
Examiner: Mayekar, Kishor  
For: Photocatalytic Oxidation Of Contaminants Through  
Selective Desorption Of Water Utilizing Microwaves

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT**

Dear Sir:

This paper is responsive to the final office action of 19 June 2008. Please reconsider the rejections in view of the following remarks.

**REMARKS**

Applicant would like to again thank the Examiner for the detailed remarks. Claims 1, 5-8, 12, 13, 16-18, 21, 22, 30, and 31 are pending in the application.

Claims 1, 5-8, 12, 13, 16-18, 21, 22, 30, and 31 are rejected under §103(a) as being unpatentable over Kataoka in view of Greene and/or Homma. The Examiner appears to argue that it would have been obvious to substitute the screens of either Greene or Homma for the aluminum plates of Kataoka because the selection of known equivalent structures of preventing leakage would have been within the level of ordinary skill in the art. Respectfully, Applicant disagrees with the given reasoning because the aluminum plates of the Kataoka also serve to support the reactor (see Figures 1 and 2; page 3-4, first complete paragraph). The aluminum plates appear to be relatively robust (16.5 cm x 10.2 cm x 6 mm) in order to support the reactor.